

Title (en)

RADIO FREQUENCY TRANSMISSION DEVICE AND MAGNETIC RESONANCE SYSTEM

Title (de)

HOCHFREQUENZÜBERTRAGUNGSVORRICHTUNG UND MAGNETRESONANZSYSTEM

Title (fr)

DISPOSITIF DE TRANSMISSION DE FRÉQUENCE RADIO ET SYSTÈME DE RÉSONANCE MAGNÉTIQUE

Publication

EP 4141463 A1 20230301 (EN)

Application

EP 22192400 A 20220826

Priority

CN 202110994734 A 20210827

Abstract (en)

The present disclosure discloses a radio frequency transmission device (100, 1350). The radio frequency transmission device (100, 1350) includes: a radio frequency power amplifier, RFPA, (110, 1352) configured to produce a radio frequency signal; and a transmitter coil status selection module (130, 1356) configured to transmit the radio frequency signal to at least one of a plurality of radio frequency coils (1360). The RFPA (110, 1352) and the transmitter coil status selection module (130, 1356) are housed in a device chamber (130, 1356).

IPC 8 full level

G01R 33/36 (2006.01)

CPC (source: CN EP US)

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Citation (search report)

- [X1] US 2011254551 A1 20111020 - LEUSSLER CHRISTOPH [DE]
- [X1] US 2020003856 A1 20200102 - CONSTABLE ROBERT T [US], et al
- [X1] ORZADA STEPHAN ET AL: "A 32-channel parallel transmit system add-on for 7T MRI", PLOS ONE, vol. 14, no. 9, 12 September 2019 (2019-09-12), pages e0222452, XP093013210, DOI: 10.1371/journal.pone.0222452

Designated contracting state (EPC)

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